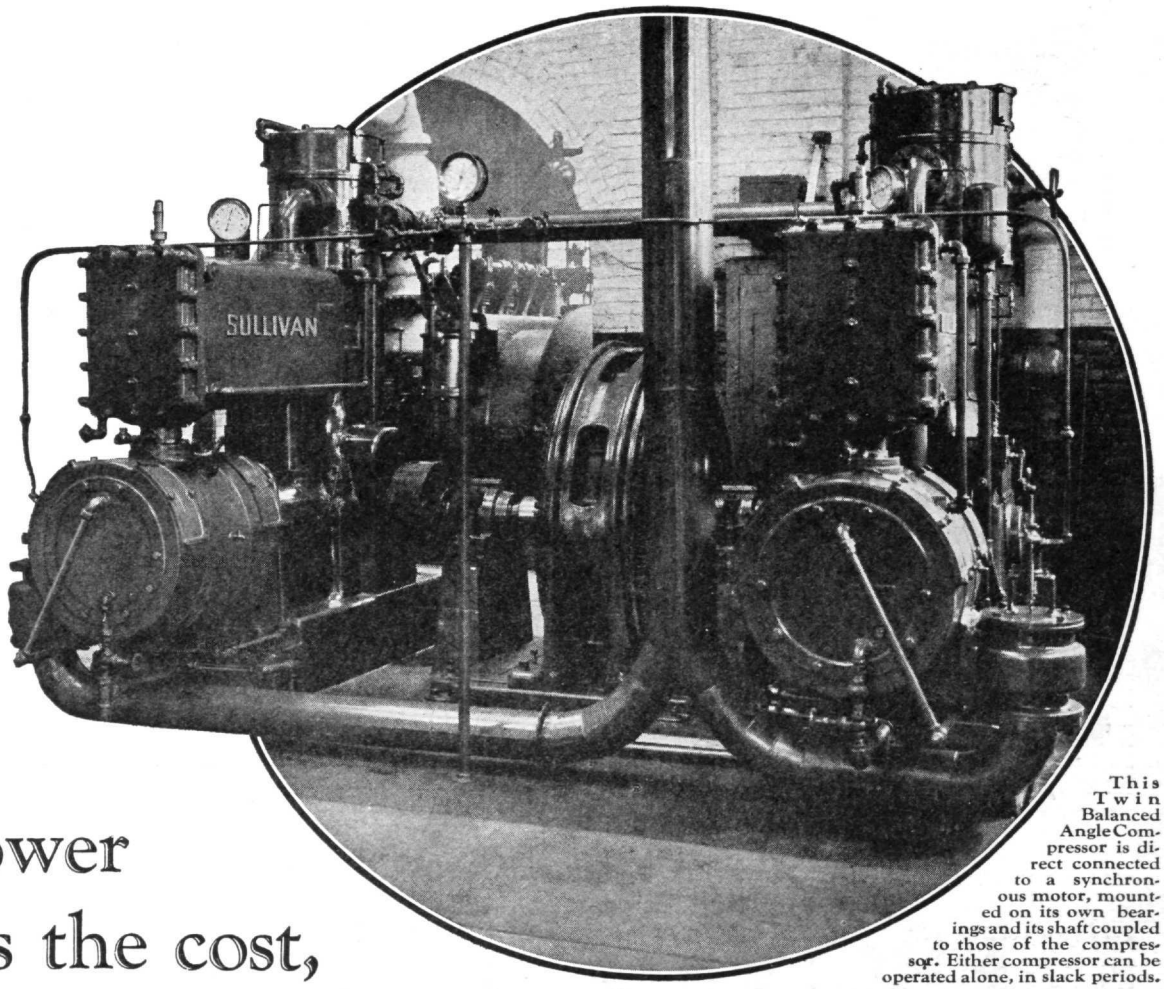
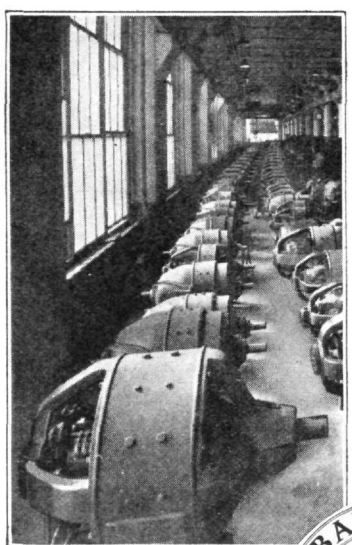


This Twin Balanced Angle Compressor is direct connected to a synchronous motor, mounted on its own bearings and its shaft coupled to those of the compressor. Either compressor can be operated alone, in slack periods.

air power cuts the cost, and electricity serves new millions

Balanced Angle Compressors increase profits for Builders of ⅔ of America's electrical equipment



A cost cut on an electrical product may bring a million customers. A million new buyers in industry—or a million new families who wash, iron, sew, clean, refrigerate, or exercise, electrically.

Production processes and machines set the growth of the electrical industry. They are adopted, when they prove they can cut costs.

—and today, builders of two-thirds of America's electrical equipment use air power from Balanced Angle Air Compressors.

In the plant illustrated, two twin Balanced Angle Compressors were bought first. Then a third, a fourth, a fifth, followed in quick succession.

While air proved its economy on a swiftly-growing list of uses—Balanced Angle Compressors proved their economy in power, maintenance, and floor space.

They have proved their economy to leaders in every industry. They will prove it to you.

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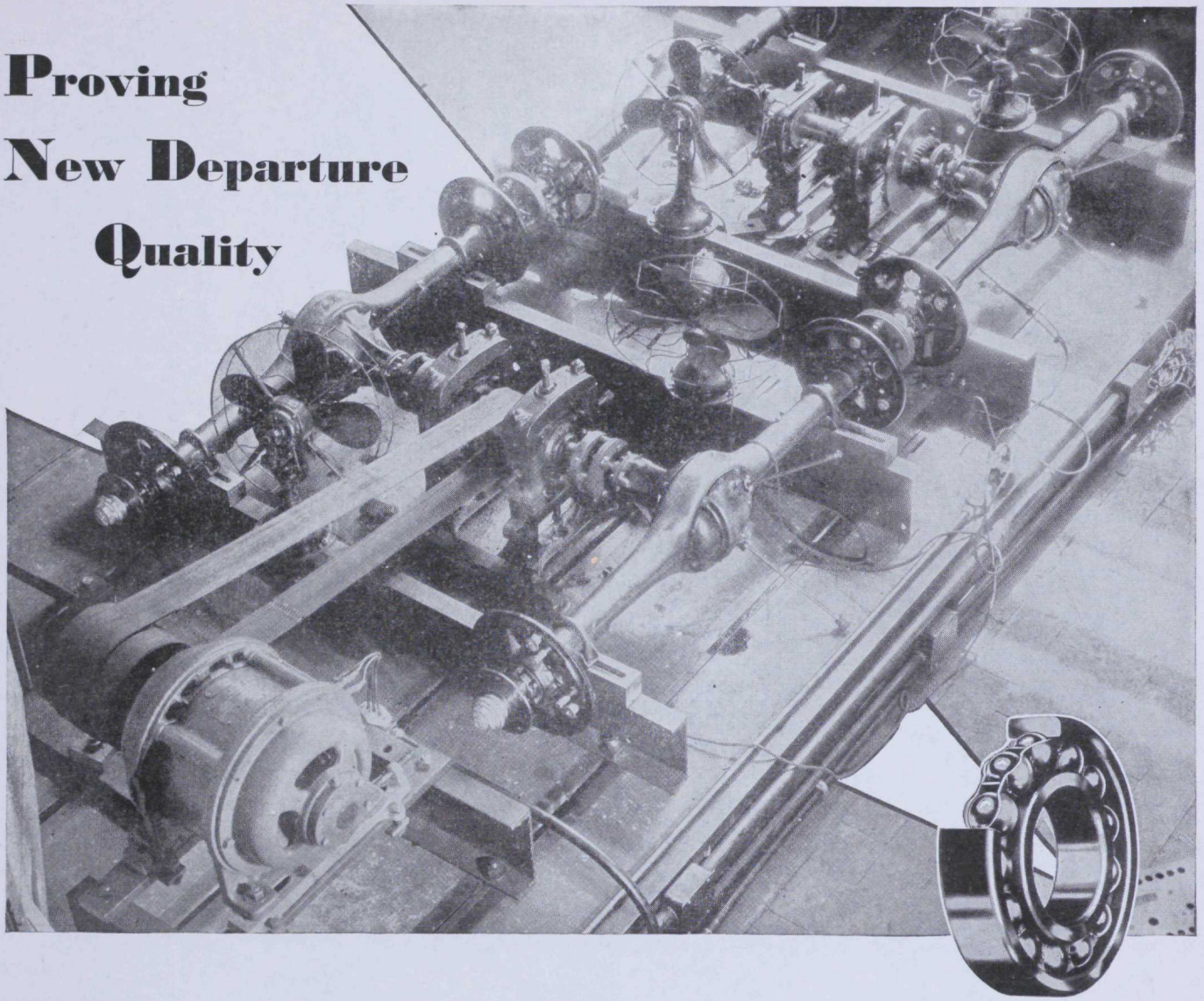

ONLY through a constant and diligent search for better methods and better materials can a better product be made.

The meticulous care and rigid inspection which attend every step in the manufacture of New Departure steel and its fabrication into ball bearings are not the only safeguards of high quality employed. Bearings of all other kinds, together with New Departures, are constantly being tested under all sorts of conditions in a modernly equipped laboratory, manned by a staff of competent research engineers.

The picture is that of a four-square automobile rear axle test being conducted in the laboratory. Torque of any magnitude may be imposed on the axles through a specially constructed torsion meter. Torque and direction of drive are reversed periodically so that the bearings in each axle receive identical treatment. Temperatures are regularly recorded and bearing failures are detected with the aid of a stethoscope. The variable speed motor allows any speed up to the equivalent of about 60 miles per hour. At the conclusion of the test, results are thoroughly examined by metallurgists, chemists and engineers, each group being required to formulate a comprehensive report of its findings.

The New Departure Mfg. Company, Main Offices and Works, Bristol, Connecticut; Detroit, Chicago, San Francisco and London.

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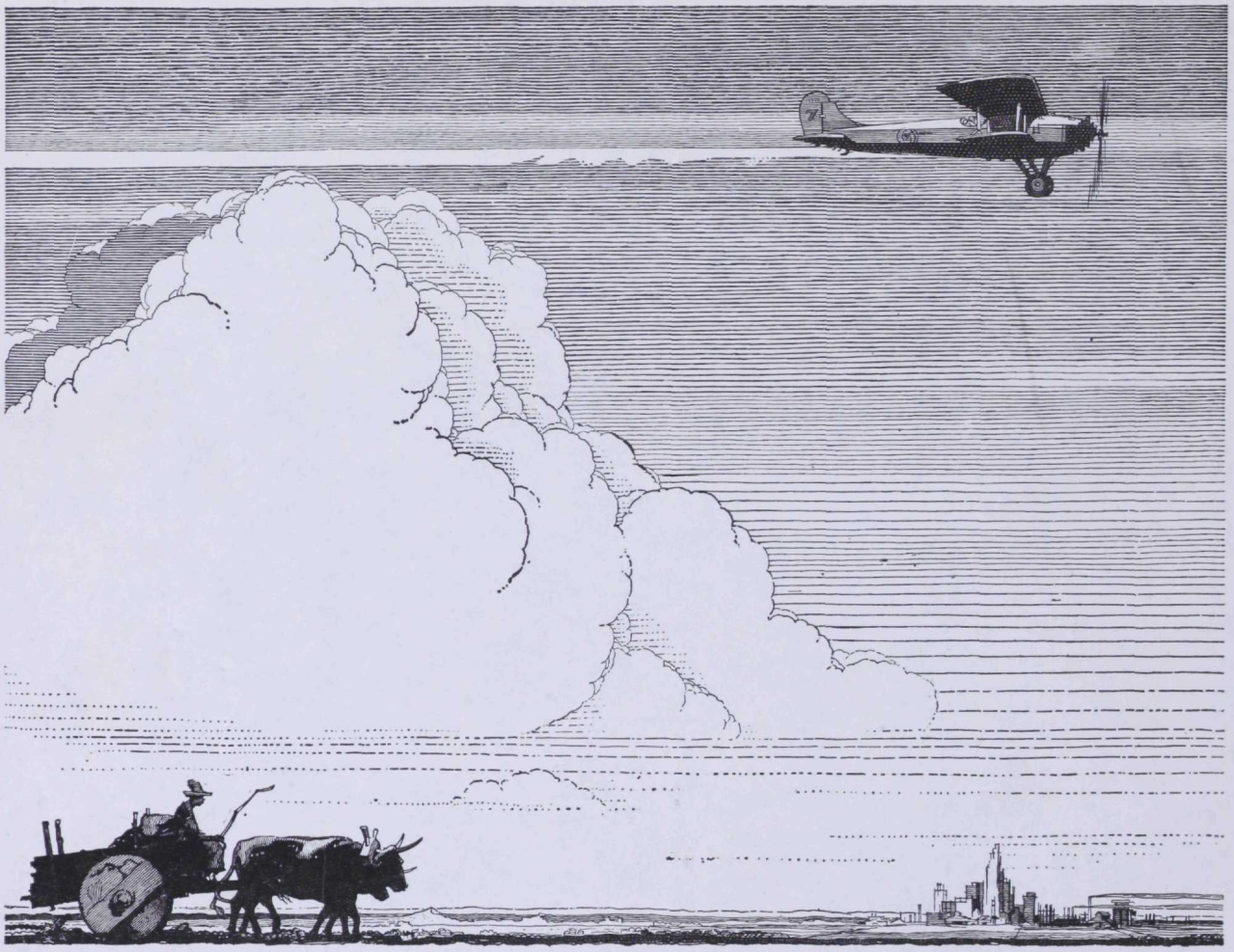

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